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**PATENT ABSTRACTS OF JAPAN**

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OMORI MASAYUKI**(54) MEASUREMENT OF SPECIFIC GRAVITY OF URINE AND TOOL THEREFORE****(57)Abstract:**

**PURPOSE:** To measure the specific gravity of urine accurately and easily by measuring concentration of urea in the urine, and by comparing the measurement result with a preliminarily formed reference indicating relationship between the concentration of urea and specific gravity of urine.

**CONSTITUTION:** As a method of measuring concentration of urea, a method of using a test tool for indicating concentration of urea in urine through coloring such as urine test paper, on which, for example, urease, pH indicator and buffer are held, is most appropriate. To form a reference indicating relationship between the concentration of urea and the specific gravity of urine, urine samples of various specific gravity are used, and the specific gravity thereof is accurately and directly measured using urine analysis ratio method and so on. By measuring concentration of urea in the urine sample by using the test tool, relationship among coloring conditions of specific gravity of urine/concentration of urea/coloring test tool in the urine sample is preliminarily determined, and a reference color tone list is formed in which the color tone of the coloring test tool corresponds to the value of the specific gravity of urine based on the relationship, which serves as a reference. By examining the coloring condition of a sample urine indicated by the coloring test tool by using the sample, the specific gravity of the urine can be detected.

**標準色調表**

| 色 調 | 尿比重   |
|-----|-------|
| 黄色  | 1.005 |
| 黄橙  | 1.010 |
| 橙色  | 1.015 |
| 茶色  | 1.020 |
| 赤紫  | 1.025 |
| 紫色  | 1.030 |

**LEGAL STATUS**

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